

**CALIFORNIA ENERGY COMMISSION**

1516 Ninth Street  
Sacramento, California 95814

Main website: [www.energy.ca.gov](http://www.energy.ca.gov)



In the Matter of 2010 Rulemaking on	)	Docket No. 09-AAER-2
Appliance Efficiency Regulations	)	
	)	CORRECTED NOTICE – STAFF
California Code of Regulations, Title 20,	)	WORKSHOP
Section 1601 through Section 1608	)	
	)	RE: 2010 Rulemaking Proceedings
	)	Phase II on Appliance Efficiency
		Regulations

---

## Corrected Notice – Staff Workshop

The California Energy Commission Appliance Efficiency Program staff will conduct a public workshop to seek comments from interested parties regarding appliance efficiency standards for battery chargers and moving lighting control regulations from Title 24 to Title 20 of the California Code of Regulations. Proposed changes include revisions necessary for conformance with federal laws, and substantive and non-substantive clarifications. These topics are to be considered as possible amendments to the Appliance Efficiency Regulations (Title 20, California Code of Regulations, Sections 1601 through Section 1608).

A previous Notice indicated that the workshop would be an Efficiency Committee Workshop; this corrected notice informs interested parties that the workshop will instead be a Staff Workshop, with an Efficiency Committee Workshop to follow on November 18, 2010. Prior to the November Committee Workshop a notice will be posted at [http://www.energy.ca.gov/appliances/battery\\_chargers/index.html](http://www.energy.ca.gov/appliances/battery_chargers/index.html). This notice will provide stakeholders with more details regarding the purpose of the workshop and direction on how to participate.

The Energy Commission's Efficiency Committee will oversee the work under this rulemaking, Commissioner Anthony Eggert is the Presiding Member, and Commissioner Jeffrey Byron is the Associate Member of the Efficiency Committee. One or both Commissioners may attend and participate in the workshop. The public is invited to attend the workshop, which will be held on:

**MONDAY, OCTOBER 11, 2010**  
10:00 a.m.  
CALIFORNIA ENERGY COMMISSION  
1516 Ninth Street  
First Floor, Hearing Room A  
Sacramento, California  
(Wheelchair Accessible)

## **Purpose**

The staff workshop will provide industry, stakeholders and the public an opportunity to comment on concepts and supporting information for developing appliance efficiency standards for battery chargers and lighting controls. A proposal has been developed for battery charger standards by Pacific Gas & Electric Company's Codes and Standards Enhancement Initiative (CASE) Project with input from other investor-owned utilities. Through this CASE initiative, the investor-owned utilities address energy efficiency opportunities through the development of new and updated Title 20 standards. Individual CASE reports identify and analyze specific standards proposals.

In this workshop, Energy Commission staff seeks public comment on the technical, economic, market, and efficiency savings information contained in the CASE report regarding battery charger systems, which serves as the basis for developing the proposed battery charger standards. The battery charger CASE report will be posted to the Energy Commission's web site prior to the October 11 staff workshop. In addition, staff seeks public comment on any impacts associated with moving Title 24 lighting standards into Title 20.

Based on the stakeholder feedback obtained through this workshop, and on any other relevant information identified by Energy Commission staff, staff will prepare and post a Staff Report by November 15, 2010 proposing draft battery charger and lighting standards. The Staff Report will examine the feasibility, cost effectiveness, and efficiency savings of the proposed regulations. All parties are encouraged to submit updated information and/or proposals to docket number 09-AAER-2 to inform the workshop discussions.

## **Background**

Battery chargers are one of the fastest growing plug loads in California, currently consuming an estimated 7,000 gigawatt hours (GWh) per year. Plug loads for the household electronics in California account for 15-19 percent of residential energy use and are increasing, primarily due to growing ownership of electronic devices, many of which are portable devices with rechargeable batteries..

Battery chargers operate in three modes: no-battery, maintenance, and active mode. In no-battery mode the charger is plugged into the wall but is not connected to a battery. In maintenance mode, the battery is fully charged yet still connected to the charger. In active mode the battery is in the process of being charged.

Ecos Consulting, EPRI Solutions, and RLW Analytics have performed field measurements to document the usage patterns of home electronics. The results show that annual energy use of electronics products is significant. Most of that use takes place in active operations rather than in standby mode. The efficiency of hundreds of products can be improved through the regulation of common components such as power supplies and battery charger systems.<sup>1</sup>

---

<sup>1</sup> [http://www.esource.com/esource/getpub/public/pdf/cec/CEC-TB-32\\_HsholdElectronics.pdf](http://www.esource.com/esource/getpub/public/pdf/cec/CEC-TB-32_HsholdElectronics.pdf)

Note: California Energy Commission's formal name is State of California Energy Resources Conservation and Development Commission.

The Energy Commission is also proposing to move some of the lighting control certification requirements currently located in Title 24 Building Standards to the Title 20 Appliance Efficiency Regulations. This will allow the existing lighting control product standards to be enforced under Title 20 authority, which will improve lighting efficiency in the state by helping to ensure that only compliant products are offered for sale in the state.

## Written Comments

Proposals or other written comments submitted prior to the workshop are requested by 5:00 p.m. on October 8, 2010. Written comments to be considered after the workshop are due by 5:00 p.m. on October 21, 2010. Please include the docket number 09-AAER-2 and indicate "2010 Rulemaking Proceeding Phase II on Appliance Efficiency Regulations" in the subject line or first paragraph of your comments. Please hand deliver or mail an original copy to:

California Energy Commission  
Dockets Office, MS-4  
Re: Docket No. 09-AAER-2  
1516 Ninth Street  
Sacramento, CA 95814-5512

The Energy Commission encourages comments by e-mail. Please include your name or organization's in the name of the file. Those submitting attached comments by electronic mail should provide them in either Microsoft Word format or as a Portable Document (PDF) to [docket@energy.state.ca.us]. **One paper copy** must also be sent to the Energy Commission's Docket Unit.

Participants may also provide an original copy and 10 copies at the beginning of the workshop. All written materials relating to this workshop will be filed with the Dockets Unit and become part of the public record in this proceeding.

## Public Participation

The Energy Commission's Public Adviser's Office provides the public assistance in participating in Energy Commission activities. If you want information on how to participate in this forum, please contact the Public Adviser's Office at (916) 654-4489 or toll free at (800) 822-6228, by FAX at (916) 654-4493, or by e-mail at [PublicAdviser@energy.state.ca.us](mailto:PublicAdviser@energy.state.ca.us). If you have a disability and require assistance to participate, please contact Lou Quiroz at (916) 654-5146 at least five days in advance.

Please direct all news media inquiries to the Media and Public Communications Office at (916) 654-4989, or by e-mail at [mediaoffice@energy.state.ca.us](mailto:mediaoffice@energy.state.ca.us).

Note: California Energy Commission's formal name is State of California Energy Resources Conservation and Development Commission.

If you have questions on the technical subject matter of this meeting, please call Harinder Singh at (916) 654-4091 or by e-mail at [hsingh@energy.state.ca.us](mailto:hsingh@energy.state.ca.us).

## **Remote Attendance**

You can participate in this meeting through WebEx, the Energy Commission's online meeting service. Presentations will appear on your computer screen, and you participate in the workshop via your telephone. Please be aware that the meeting's WebEx audio and on-screen activity may be recorded.

### **Computer Log-on with Telephone Audio:**

1. Please go to <https://energy.webex.com> and enter the meeting number:  
921 190 577
2. When prompted, enter your name other information as directed and the meeting password: meeting@10
3. After you log-in, a prompt will ask for your phone number. If you wish to have WebEx call you back, enter your phone number. This will put add your name on the WebEx log so that we know who is connected and have a record of your participating by WebEx.

If you do not wish to do that, click cancel, and go to step 4. Or, if your company uses an older switchboard-type of phone system where your line is an extension, click cancel and go to step 4.

4. If you didn't want WebEx to call you back, then call 1-866-469-3239 (toll-free in the U.S. and Canada). When prompted, enter the meeting number above and your unique Attendee ID number, which is listed in the top left area of your screen after you login via computer. International callers can dial in using the "Show all global call-in numbers" link (also in the top left area).

### **Telephone Only (No Computer Access):**

1. Call 1-866-469-3239 (toll-free in the U.S. and Canada) and when prompted enter the meeting number 921 190 577. International callers can select their number from <https://energy.webex.com/energy/globalcallin.php>

If you have difficulty joining the meeting, please call the WebEx Technical Support number at 1-866-229-3239.

Note: California Energy Commission's formal name is State of California Energy Resources Conservation and Development Commission.